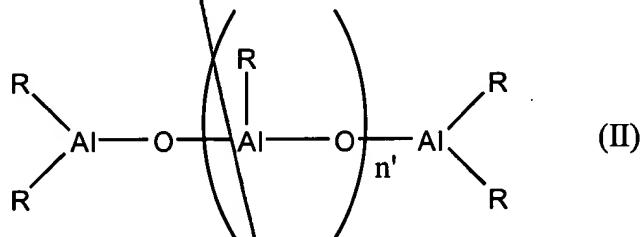


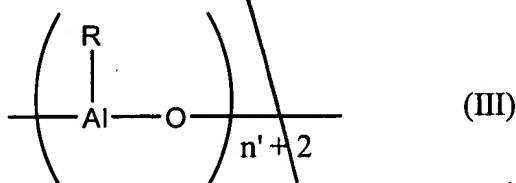
carbon atoms, or R^a and R^b , together with the atoms connecting them, form a ring, and wherein the polymerized ethylene content of the resulting polyolefin composition is from 0 to 2.5% by weight,

to at least two polyolefins of different melting points, wherein the melting points of the polyolefins must differ by at least 5°C, and wherein the polymerization is carried out at a temperature of from -60 to 200°C, and a pressure of from 0.5 to 100 bar, in solution, in suspension or in the gas phase, in the presence of a catalyst, wherein the catalyst comprises

(A) at least two racemic or s-symmetric metallocenes as transition-metal components and an aluminoxane of the formula II



and/or of the formula III

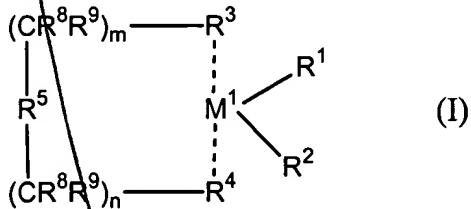


where in the formulae II and III, the radicals R may be identical or different are a C_1 - C_6 -alkyl group, a C_1 - C_6 -fluoroalkyl group, a C_6 - C_{18} -aryl group, a C_6 - C_{18} -fluoroaryl group or

hydrogen, and n' is an integer from 0 to 50, and the aluminoxane component may additionally contain a compound of the formula AlR_3 , or

(B) at least two racemic or s-symmetric metallocenes as transition-metal components and a salt-like compound of the formula $\text{R}_x\text{NH}_{4-x}$ or of the formula $\text{R}_3\text{PHBR}'_4$ wherein x is 1, 2 or 3, R is identical or different and is alkyl or aryl, and R' is aryl, which may also be fluorinated or partly fluorinated,

where the transition-metal component used comprises at least two metallocenes of the formula I:



in which

M^1 is Zr or Hf,

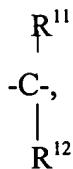
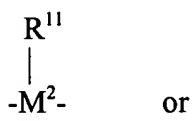
R^1 and R^2 are identical or different and are a hydrogen atom, a $\text{C}_1\text{-C}_{10}$ -alkyl group, a $\text{C}_1\text{-C}_{10}$ -alkoxy group, a $\text{C}_6\text{-C}_{10}$ -aryl group, a $\text{C}_6\text{-C}_{10}$ -aryloxy group, a $\text{C}_2\text{-C}_{10}$ -alkenyl group, a $\text{C}_7\text{-C}_{40}$ -arylalkyl group, a $\text{C}_7\text{-C}_{40}$ -alkylaryl group, a $\text{C}_8\text{-C}_{40}$ -arylalkenyl group, or a halogen atom,

R^3 and R^4 are identical or different and are indenyl, cyclopentadienyl or fluorenyl which are optionally substituted with substituents as defined for R^{11} and R^{12} and where the

substituents are identical or different or form together with the atoms connecting them a ring,

Su
X
can

R⁵ is



where R¹¹ and R¹² are identical or different and are a hydrogen atom, a halogen atom, a C₁-C₁₀-alkyl group, a C₁-C₁₀-fluoroalkyl group, a C₆-C₁₀-aryl group, a C₆-C₁₀-fluoraryl group, a C₁-C₁₀-alkoxy group, a C₂-C₁₀-alkenyl group, a C₇-C₄₀-arylalkyl group, a C₈-C₄₀-arylalkenyl group or a C₇-C₄₀-alkylaryl group, or R¹¹ and R¹² together with the atoms connecting them, form a ring,

M² is silicon or germanium,

R⁸ and R⁹ are identical or different and are as defined for R¹¹ and

m and n are identical or different and are zero or 1 and wherein for at least one of the at least two metallocenes R³ is a substituted indenyl or an optionally substituted fluorenyl.

F2

23. The process as claimed in claim 20, wherein said two different metallocenes are rac-phenylmethylsilyl(indenyl)₂HfCl₂ and rac-dimethylsilyl(2-methyl-4-phenyl-1-indenyl)₂ZrCl₂.

28. The process as claimed in claim 25, wherein $-(CR^8R^9)_m-R^5-(CR^8R^9)_n$ is ethylene or
F3
 CH_3SiCH_3 .

Please see Appendix A for the changes made to the claims. The terms bracketed in the claims have been deleted and the terms underlined in the claims have been added.

IN THE ABSTRACT

Please cancel the abstract. Please insert the following new abstract. See Appendix B.

IN THE TITLE

Please delete the title and insert the following new title

-- A Process for the Preparation of Polyolefin Molding Compositions Having a Broad Melting Range--

REMARKS

The applicants respectfully request reconsideration in view of the amendment and the following remarks. The applicants have amended the claims as suggested by the Examiner in order to overcome the 35 U.S.C. §112 rejections. Claim 30 was rejected under 35 U.S.C. §112, first paragraph. Claims 15, 17-19, 21-25 and 27-31 were rejected under 35 U.S.C. §112, first paragraph. Claims 15, 17-19, 21-25 and 27-31 were rejected under 35 U.S.C. §112, second paragraph. Claims 15, 17-19, 21-25, and 27-31 were rejected under the judicially created Doctrine of Obviousness-Type Double Patenting as being unpatentable over claims 5,700,886 hereinafter referred to as "Winter '886". The Examiner stated that were other minor objections to the specification. The